

## CLAIMS

I claim:

1. An infant alarm system for an automobile comprising:
  - a pressure sensor pad connectable to a conventional car seat, said pressure
  - 5 sensor pad for detecting the presence of a person in said conventional car seat;
  - a belt buckle switch connectable to a conventional infant car seat, said belt
  - buckle switch for determining whether a conventional belt buckle is buckled into
  - said conventional infant car seat; and
  - a control box electrically connected to said pressure sensor pad, said
  - 10 control box electrically connected to said belt buckle switch, said control box for
  - outputting an alarm signal when said belt buckle switch indicates that said
  - conventional belt buckle is buckled into said conventional infant car seat and said
  - pressure sensor pad does not detect the presence of said person in said
  - conventional car seat.
  - 15
2. The infant alarm system for an automobile of claim 1 further comprising:
  - an audible alarm speaker electrically connected to said control box for
  - emitting an audible alarm tone when said control box outputs said alarm signal.
- 20 3. The infant alarm system for an automobile of claim 1 further comprising:
  - a power switch electrically connected to said control box.

4. The infant alarm system for an automobile of claim 1 further comprising:  
an electrical connector connected to said belt buckle switch.

5. The infant alarm system for an automobile of claim 1 wherein:  
said pressure sensor pad is a capacitive pressure sensor.

6. The infant alarm system for an automobile of claim 1 wherein:  
said pressure sensor pad is an elastomer pressure sensor.

7. The infant alarm system for an automobile of claim 1 wherein:  
said belt buckle switch is a microswitch.

8. The infant alarm system for an automobile of claim 1 wherein:  
said belt buckle switch is an optical switch.

9. The infant alarm system for an automobile of claim 1 wherein:  
said belt buckle switch is a proximity switch.

10. A infant alarm system for an automobile comprising:

a pressure sensor pad connectable to a conventional car seat, said pressure sensor pad for detecting the presence of a person in said conventional car seat;

a belt buckle switch connectable to a conventional infant car seat, said belt buckle switch for determining whether a conventional belt buckle is buckled into said conventional infant car seat;

a control box electrically connected to said pressure sensor pad, said control box electrically connected to said belt buckle switch, said control box for outputting an alarm signal when said belt buckle switch indicates that said conventional belt buckle is buckled into said conventional infant car seat and said pressure sensor pad does not detect the presence of said person in said conventional car seat; and

an audible alarm speaker electrically connected to said control box for emitting an audible alarm tone when said control box outputs said alarm signal.

11. The infant alarm system for an automobile of claim 10 further comprising:

a power switch electrically connected to said control box.

12. The infant alarm system for an automobile of claim 11 further comprising:

an electrical connector connected to said belt buckle switch.

13. The infant alarm system for an automobile of claim 12 wherein:

said pressure sensor pad is a capacitive pressure sensor.

14. The infant alarm system for an automobile of claim 12 wherein:  
said pressure sensor pad is an elastomer pressure sensor.

15. The infant alarm system for an automobile of claim 14 wherein:  
said belt buckle switch is a microswitch.

16. The infant alarm system for an automobile of claim 14 wherein:  
said belt buckle switch is an optical switch.

17. The infant alarm system for an automobile of claim 14 wherein:  
said belt buckle switch is a proximity switch.

18. A infant alarm system for an automobile comprising:

a pressure sensor pad connectable to a conventional car seat, said pressure sensor pad for detecting the presence of a person in said conventional car seat;

a belt buckle switch connectable to a conventional infant car seat, said belt buckle switch for determining whether a conventional belt buckle is buckled into said conventional infant car seat;

a control box electrically connected to said pressure sensor pad, said control box electrically connected to said belt buckle switch, said control box for outputting an alarm signal when said belt buckle switch indicates that said conventional belt buckle is buckled into said conventional infant car seat and said pressure sensor pad does not detect the presence of said person in said conventional car seat;

an audible alarm speaker electrically connected to said control box for emitting an audible alarm tone when said control box outputs said alarm signal;

a power switch electrically connected to said control box; and  
an electrical connector connected to said belt buckle switch.